

3753 Saint Simons Court
Colorado Springs, CO 80920

July 28, 2011

Ms. Marlene H. Dortch, Secretary
Federal Communication Commission
445 12th Street SW
Washington, DC 20554

Re: IB Docket Number 11-109

Dear Ms. Dortch,

I am writing as a citizen to express my opposition of the LightSquared proposal to use spectrum adjacent to that currently used by the Global Positioning System (GPS). I believe that if the Commission allows this plan to go forward, the degradation of the GPS signal would be such that the system would become unusable. Losing the use of the GPS would mean that the tremendous investment of resources by the American people through the Government developing, implementing and maintaining the system as well as the purchase of huge numbers of GPS receivers by individuals and organizations was a wasted effort. I firmly believe that we as a country really need a huge expansion in the amount of broadband service available to the public, but I am strongly opposed to getting more broadband coverage (an expense that will be passed on to the customers) at the expense of our GPS (that we as taxpayers have already purchased). If LightSquared needs spectrum for large-scale broadband, it really must come from somewhere else and if that requires more research and development expense on their part, I am confident that those expenses will be passed on to their customers.

Let me explain some of the ways I use the GPS on a regular basis and how the loss of the system will impact me:

- The majority of the items I purchase as a consumer are delivered to the retail outlets via the commercial trucking industry. The transportation industry now relies heavily on GPS technology to make their operations as efficient as possible, saving precious petroleum resources and eventually keeping the price of retail goods within the purchasing power of the consumer. The loss of the GPS will cause retail prices to start increasing as the transportation industry loses efficiency.
- A majority of our mass communication resources, to include radio, television, emergency medical services and 911/E911 communications services, the banking and credit industries, etc. depend heavily on the precision timing signals delivered via GPS. The loss of the GPS will result in the immediate loss of the precision timing that these communications systems require to function properly.
- The emergency services and search and rescue sectors now rely heavily on GPS services to effect lifesaving rescue operations as well as to coordinate disaster recovery efforts to the point that the loss of GPS would be catastrophic to those operations potentially costing needless loss of life.
- Many of us now use the GPS in our daily lives as we travel around our home towns as well as to distant destinations. The loss of the GPS would have the obvious impact of an increase in the wasting of our precious petroleum resources.
- All commercial aviation relies on the GPS for conducting their operations in a safe and efficient manner. The loss of the GPS would be devastating to that industry, again with the high potential for needless loss of human life.

President Clinton in effect "demilitarized" the GPS to make the signals and services offered available to everybody so that we could all benefit from the system we all helped pay for. The United States has shown great leadership in making the services of the GPS available to everybody on the planet, and to destroy that within our own country by allowing LightSquared to proceed with their current plans would have tremendous consequences on our very way of life.

I urge you to consider having LightSquared move their operations to other frequency spectrum that will not impact the GPS. Thank you.

Sincerely,

John Wade